TITLE: Getting COMT on PARR: Increasing public access to COMT results.

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In response to the White House Office of Science and Technology Policy (OSTP) Memorandum (2013), NOAA published a plan for increasing Public Access to Research Results (PARR). PARR directs all NOAA research supported by federal funds, take steps to ensure its results are discoverable and accessible to the public, private and academic sectors.

The U.S. IOOS Coastal and Ocean Modeling Testbed (COMT) Cyber-Infrastructure (CI) team has supported a wide range of scientific research across various geographic regions and scientific disciplines since the COMT program began in 2012. In 2016, the COMT CI began adapting their data management procedures and approach to ensure existing and future COMT research results are compliant with PARR.

The COMT CI group focuses on facilitating collaboration between project members across various institutions, enabling analysis, presentation and archive of research results alongside observational data. Community tools for data management, visualization and analysis have been developed in support of the overall COMT mission and project teams. These tools are made available to the COMT, IOOS and the international geoscience community.

The integration of PARR addresses policies relevant to COMT for data-specific tasks and tasks related to the linkage between publications and data as well as the archiving of research results and integration with National Data Centers. An interactive tool has been created allowing the teams to submit their research results for archive, analysis and visualization and easily include or update metadata necessary to achieve compliance.

Challenges addressed by the COMT CI include disparate horizontal grids and grid structures, disparate vertical grids and varying data formats which has made inter-comparison of model results and heterogeneous presentation challenging.

We will review the steps taken and demonstrate the tools developed to reach a consensus between many institutions, disciplines, researchers and models that has led to a catalog of coastal and ocean modeling results that is both useful for the transition to NOAA operations as well as compliant with PARR, existing community standards and can easily adapt to future standards.